Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/02/2020 11:20 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125812	0	2.04	125878	2.05
Blue	F	SSC	125000	124263	-1	1.71	125053	1.74
Blue	E	FITC	15892	15612	-2	2.80	341	20.19
Blue	D	PE	29999	29756	-1	2.02	649	14.59
Blue	B	PerCP-Cy5-5	43732	43793	0	3.69	1175	20.34
Blue	A	PE-Cy7	30845	31050	0	6.07	594	40.24
Red	C	APC	46112	45545	-2	2.42	1609	12.07
Red	A	APC-Cy7	30458	29684	-3	2.40	787	11.89
Violet	B	V450	7918	7552	-5	4.44	428	13.11
Violet	A	V500	32171	30720	-5	4.24	718	10.64

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16457	12.16	625	4	N/A	N/A	Pass
Blue	F	SSC	56798	1.21	564	5	N/A	N/A	Pass
Blue	E	FITC	62	65.51	543	0	0.0201	171	Pass
Blue	D	PE	135	49.42	549	1	0.1662	268	Pass
Blue	B	PerCP-Cy5-5	216	49.75	656	0	0.0091	55	Pass
Blue	A	PE-Cy7	111	102.05	699	1	0.0114	27	Pass
Red	C	APC	382	25.40	588	4	0.0248	169	Pass
Red	A	APC-Cy7	173	29.45	559	3	0.0058	1425	Pass
Violet	B	V450	65	59.78	457	-1	0.0524	2117	Pass
Violet	A	V500	107	34.88	473	-1	0.0230	909	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.61	-32.14	1.05
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.45
Red	15.83	13.60 - 20.40	N/A	N/A	29.70	30.09	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9913

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments